

Product Description

Vibra-TITE 548 is a medium viscosity, quick curing, high strength anaerobic retaining compound. Vibra-TITE 548 is used for tight-clearance, and slip-fit metal applications. The product performs on aluminum, steel, plated, stainless steel, and special alloy parts. Vibra-TITE 548 exhibits good temperature and solvent resistant. Vibra-TITE 548 can be used to create an air-tight seal on cylindrical assemblies. This product cures rapidly on all metal surfaces.

Typical Applications

Locks shaft and hubs together for gears, bearing, bushings
 Bonds pins, adaptors, plugs

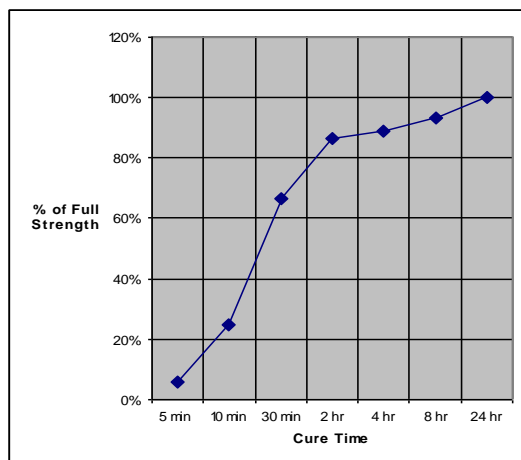
Properties of Uncured Material

Chemical Type	Anaerobic
Appearance	Green
Toxicity	Low
Solids	100%
Viscosity	450-600 cPs
Specific Gravity	1.1

Typical Curing Performance

Cure Speed

The cure rate depends on temperature and substrate. The graph below shows the shear strength developed with time on steel pins and collars.



Performance of Cured Material

	Typical Values
Fixture Time	2-5 min @ 72°F
Full Cure Time	24 hrs @ 72°F
Temperature Range	-60°F to 350°F (-51°C to 177°C)

Shear Strength

Cold rolled steel 15 min cure	>1800 psi
Cold rolled steel 24 hr cure	>3260 psi
Aluminum	>1000 psi

Static shear strength was measured on cylindrical parts with a 0.002" diametrical clearance.

Environmental and Fluid Resistance

(Shear strength values)

	Typical Values
Heat age	100%
Engine oil @ 150°C	95%
Brake fluid @ 150°C	90%
ATF @ 150°C	90%
50/50 water/ ethylene glycol @ 120°C	92%
Water @ 100°C	92%
Gasoline @ 25°C	100%
Diesel fuel @ 25°C	100%
Ethyl Alcohol @ 25°C	75%

General Information

Storage

Product should be stored in a cool and dry location at temperatures between 14°F (-10°C) to 86°F (30°C). Shelf life is 2 years from date of manufacture when stored at 72±8°F (22±4°C).

Note

The data are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is recommended that the product be tested in the application for which it is to be used.